In the Claims

 (Currently Amended) A welding-type power source controller comprising: an input configured to receive feedback of a remote control process of a welding-type process; and

a processor configured to <u>first ensure a remote control is operationally engaged</u> and then continue to receive the feedback and override the remote control process if a control irregularity is detected.

- 2. (Original) The controller of claim 1 wherein the processor is configured to monitor the feedback to detect a rate of change in control commands for the remote control process indicative of an irregularity.
- 3. (Original) The controller of claim 2 wherein the rate of change in control commands indicative of an irregularity includes a rate of change indicative of at least one of a corrupt communication from the remote control, a disconnection of the remote control, and a communications failure from the remote control.
- 4. (Original) The controller of claim 2 wherein the processor is further configured to compare the rate of change of the control commands to a threshold to determine whether the rate of change exceeds a tolerance.
- 5. (Original) The controller of claim 1 wherein the remote control process includes a remote control in communication with a welding-type apparatus and the processor is further configured to notify an operator that the remote control is locked-out upon detecting an irregularity.
- 6. (Original) The controller of claim 1 wherein the processor is further configured to divert control of the welding-type process to a backup controller configured to control the welding-type process according to a last operator control input upon detection of an irregularity.
- 7. (Original) The controller of claim 6 wherein the processor is configured cause the backup controller to control the welding-type process until the welding-type process is discontinued.

8. (Original) The controller of claim 1 wherein the welding-type power source controller is configured to be incorporated into a welding-type power source.

- 9. (Original) The controller of claim 1 wherein the welding-type power source controller is configured to be incorporated into a portable welding-type device.
- 10. (Original) A method of controlling a welding-type process comprising:
 remotely controlling a welding-type power source from a secondary control;
 monitoring performance of the remote controlling; and
 redirecting control of the welding-type power source to a primary control upon
 detecting a performance abnormality.
- 11. (Original) The method of claim 10 further comprising determining whether control commands sent from the remote control are indicative of a performance abnormality.
- 12. (Original) The method of claim 10 further comprising disregarding input from the remote control, upon detecting a performance abnormality of the remote control.
- 13. (Original) The method of claim 10 further comprising controlling the weldingtype power source according to a previous user input upon detecting a performance abnormality.
- 14. (Original) The method of claim 10 further comprising notifying a user of a remote control failure upon detecting a performance abnormality.
- 15. (Original) The method of claim 10 further comprising locking-out the remote control upon detecting a performance abnormality.
- 16. (Original) The method of claim 15 further comprising removing the lockout only upon powering down the welding-type power source.
 - 17. (Original) A welding-type apparatus comprising:

a power source configured to deliver welding-type power to perform a welding-type process;

- a remote control configured to control an output of the welding-type power;
- a monitoring control configured to monitor the remote control; and
- a backup control configured to assume control of the welding-type process upon detection of a remote control malfunction.
- 18. (Original) The apparatus of claim 17 wherein detecting a remote control malfunction includes detecting commands from the remote control including a rate of change of the control commands that is at least one of greater than a maximum threshold and less than a minimum threshold.
- 19. (Original) The apparatus of claim 17 wherein the backup control is configured to control the output of the welding-type power source according to an operator constraint upon assuming control.
- 20. (Original) The apparatus of claim 19 wherein the backup control is configured to control the welding-type power source according to the operator constraint until the welding-type process is discontinued.
- 21. (Original) The apparatus of claim 17 wherein the monitoring control is further configured to place the welding-type power source into a lockout mode upon detecting a remote control malfunction.
- 22. (Original) The apparatus of claim 21 wherein the monitoring control is further configured to hold the welding-type power source in the lockout mode until the welding-type power source is powered down.
- 23. (Original) The apparatus of claim 17 wherein the backup control is configured to be incorporated into the power source.
- 24. (Original) The apparatus of claim 17 wherein the welding-type power source is configured to deliver welding-type power for at least one of a metal inert gas (MIG) welding-type

process, tungsten inert gas (TIG) welding-type process, a shielded metal arc welding (SMAW) welding-type process, an induction heating process, and a plasma-cutting process.

- 25. (Original) The apparatus of claim 17 wherein the backup control includes a primary control operating as a backup control.
- 26. (Original) A welding-type apparatus comprising:
 remote means for controlling a welding-type apparatus;
 means for monitoring the remote means; and
 means for overriding the remote means upon detecting a control irregularity of
 the remote means.
- 27. (New) A welding-type power source controller comprising:
 an input configured to receive feedback of a remote control process of a weldingtype process; and

a processor configured to receive the feedback and override the remote control process if a control irregularity is detected; and

wherein the processor is further configured to monitor the feedback to detect a rate of change in control commands for the remote control process indicative of an irregularity.

- 28. (New) The controller of claim 27 wherein the rate of change in control commands indicative of an irregularity includes a rate of change indicative of at least one of a corrupt communication from the remote control, a disconnection of the remote control, and a communications failure from the remote control.
- 29. (New) The controller of claim 28 wherein the processor is further configured to compare the rate of change of the control commands to a threshold to determine whether the rate of change exceeds a tolerance.